



National Weather Service Southeast River Forecast Center



Daily Operational Support Message

issued

Sunday, October 4th, 2015

for

**North Carolina, South Carolina,
Virginia, and Georgia**

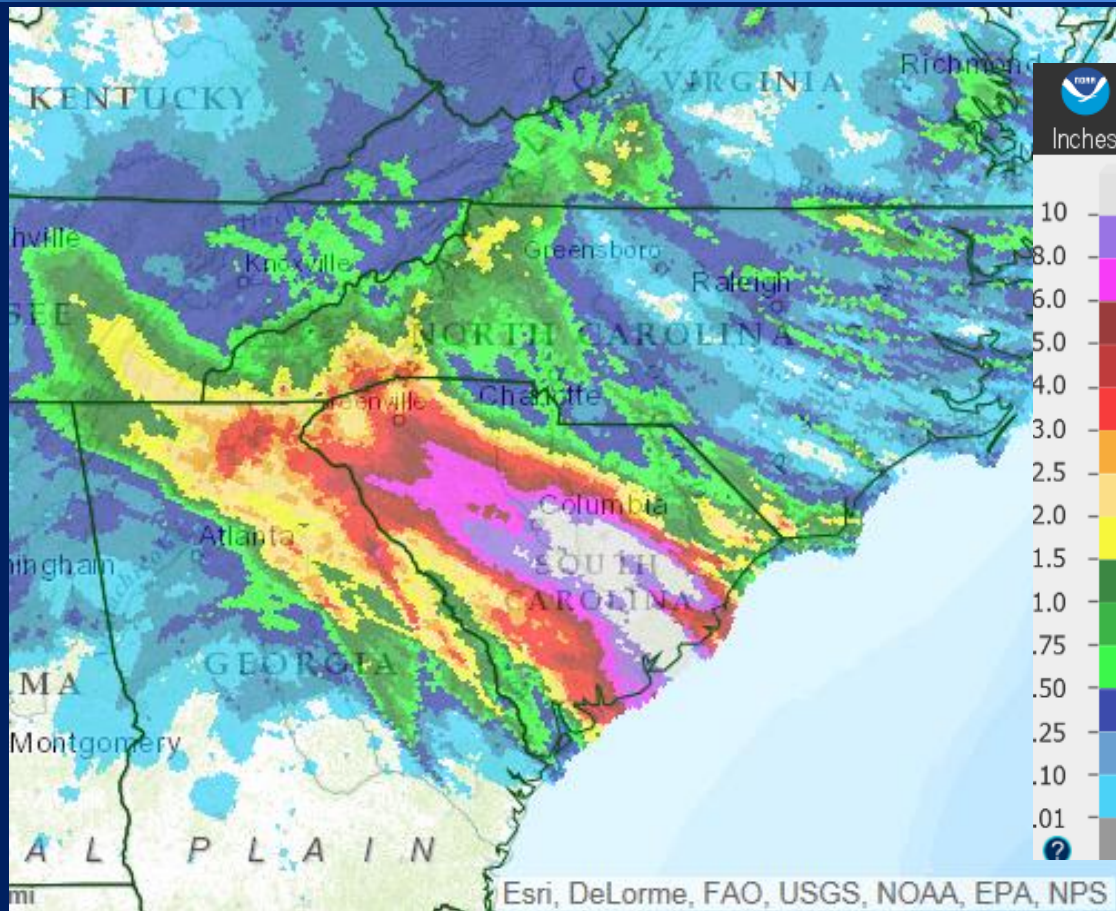


Key Points

- The upper level low that is helping to produce all this rain is slowly moving to the east and then north and then will finally dissipate and move out of the area.
- South Carolina rivers are most vulnerable now due to recent rainfall and continued heavy rainfall forecast. Monitor river forecasts for changes as forecasted rainfall becomes real water on the ground.
- Not as much rain as expected fell in North Carolina and Virginia. However, 2 points ended up making it to moderate flood stage.



Past Precipitation



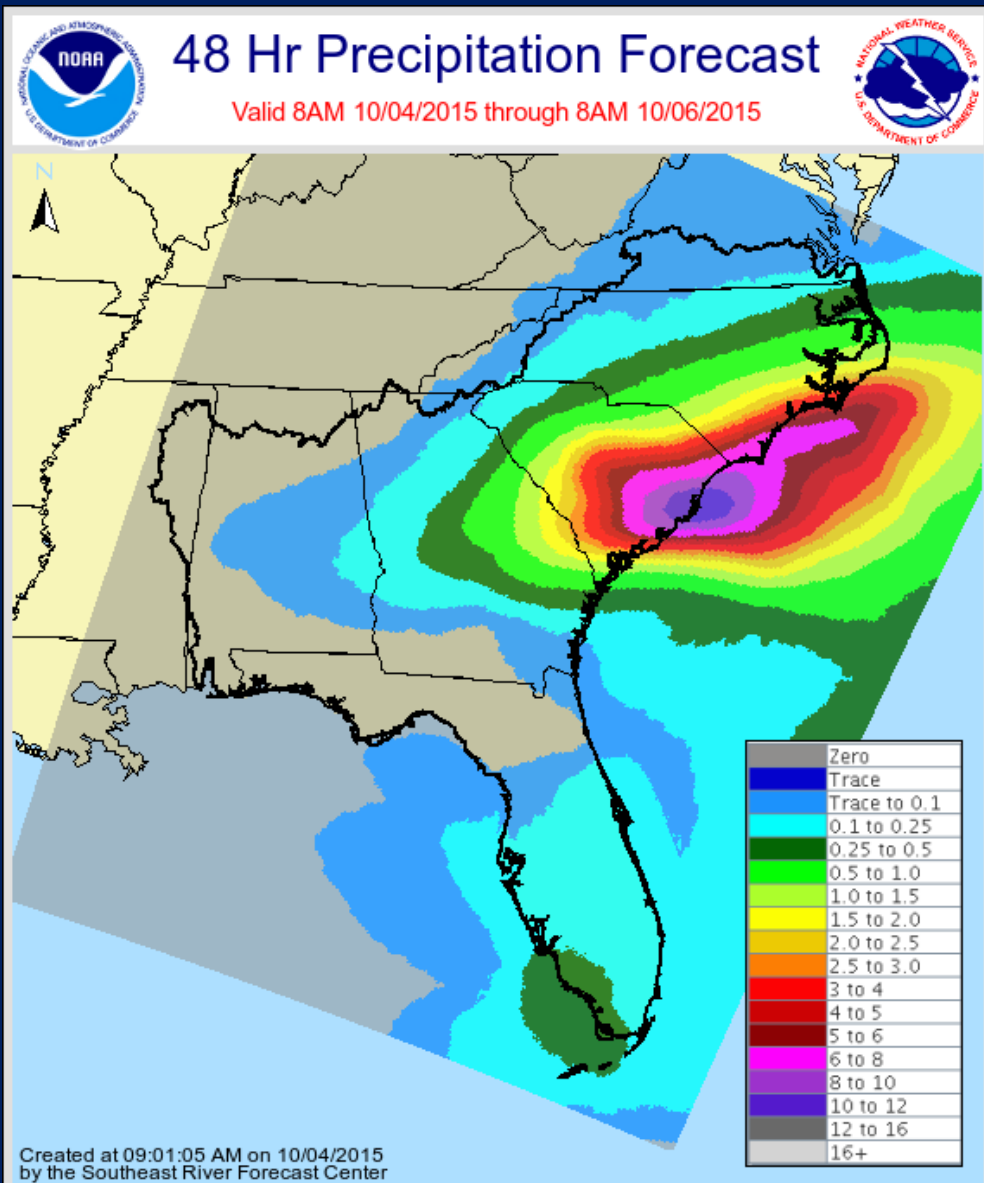
24-hour
precipitation
ending at
8 AM EDT

Huger, SC	13.70 inches
Kingstree, SC	12.85 inches
Moncks Corner, sc	12.74 inches
Summerville 4W	9.20 inches
Gadsden, SC	8.51 inches
Sumter-Shaw AFB	7.73 inches
Jamestown , sc	6.50 inches

- Coastal Areas of South Carolina have seen heavy rain the last 24 hours. Some areas further inland have received heavy rainfall. Above is a few rainfall totals from South Carolina.



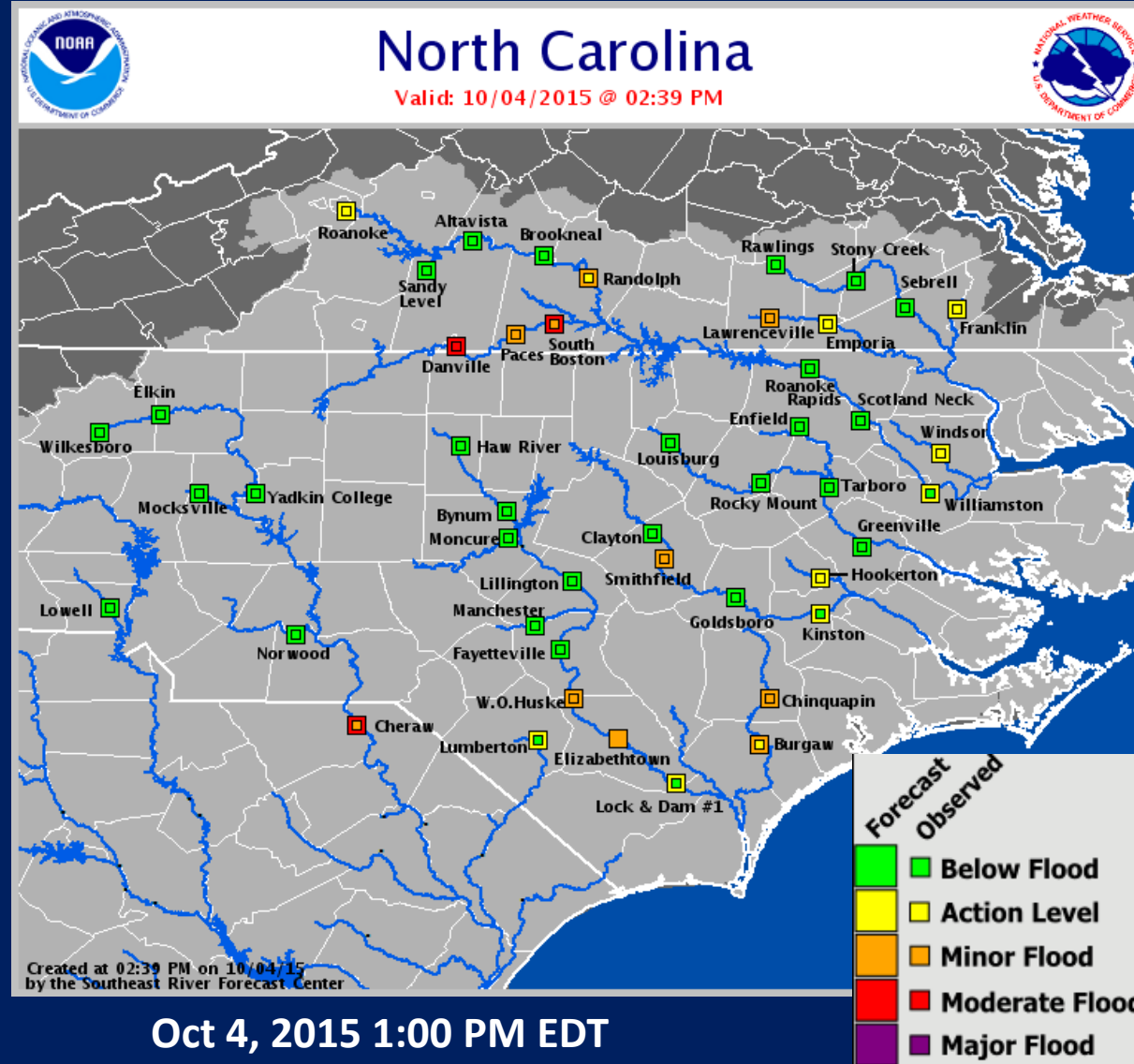
SERFC Forecast Precipitation



- 48-Hour Precipitation used in the River models.
- The heaviest rain is now situated close to the coast in South Carolina.
- Rain will slowly be tapering off from west to east across South Carolina as the low moves east.
- The rain on the ground and added forecast rainfall still has the potential to cause significant flooding in the area. Everyone needs to stay diligent and monitor river forecasts.



Forecast River Conditions

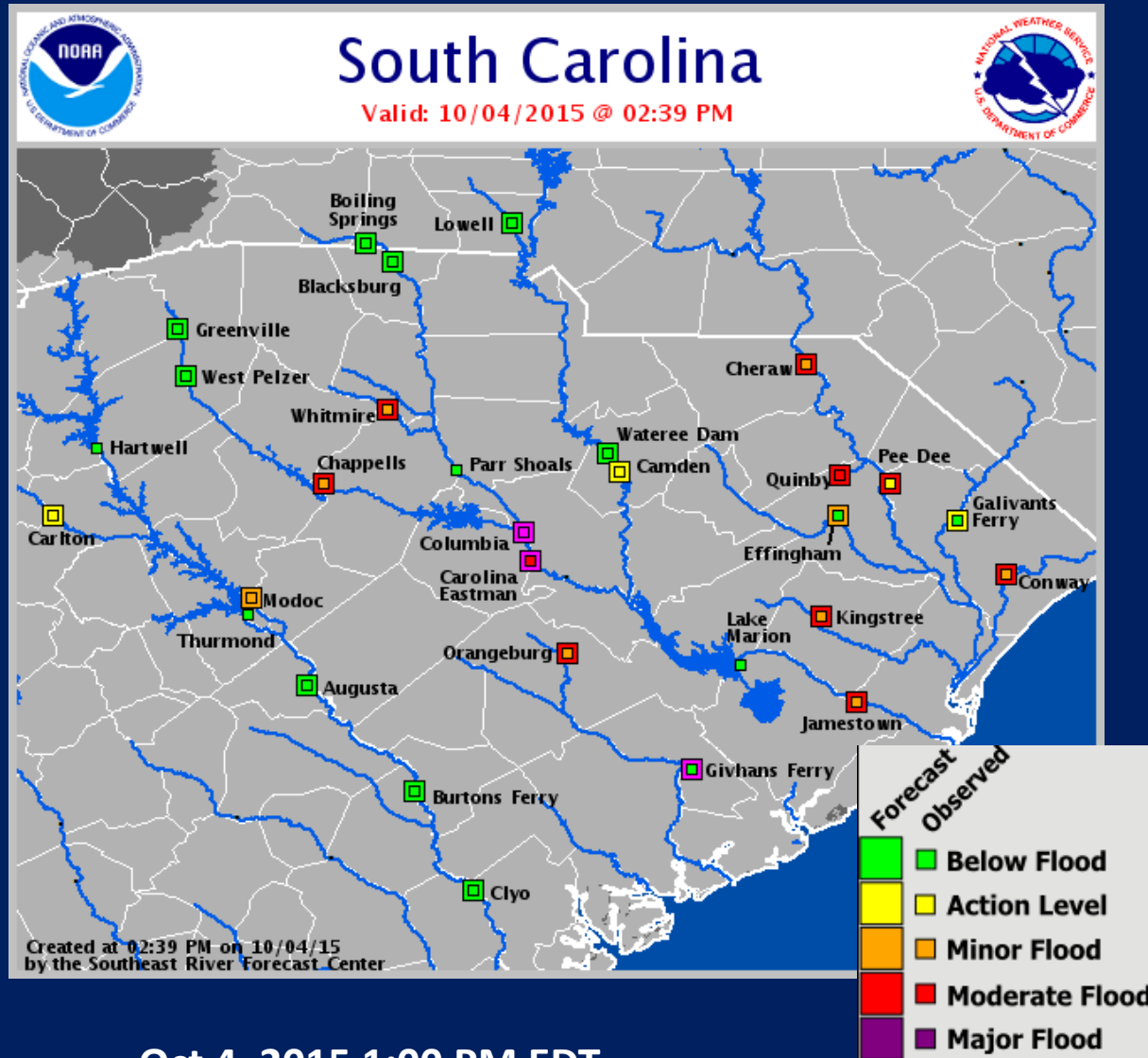


- These forecasts include past rainfall and a 48-hour rainfall forecast.
- Moderate river forecasts in the Dan river basin.
- The forecast rainfall in Virginia and North Carolina did not materialize as expected. Therefore, the flooding was less severe than originally forecast.

Oct 4, 2015 1:00 PM EDT



Forecast River Conditions

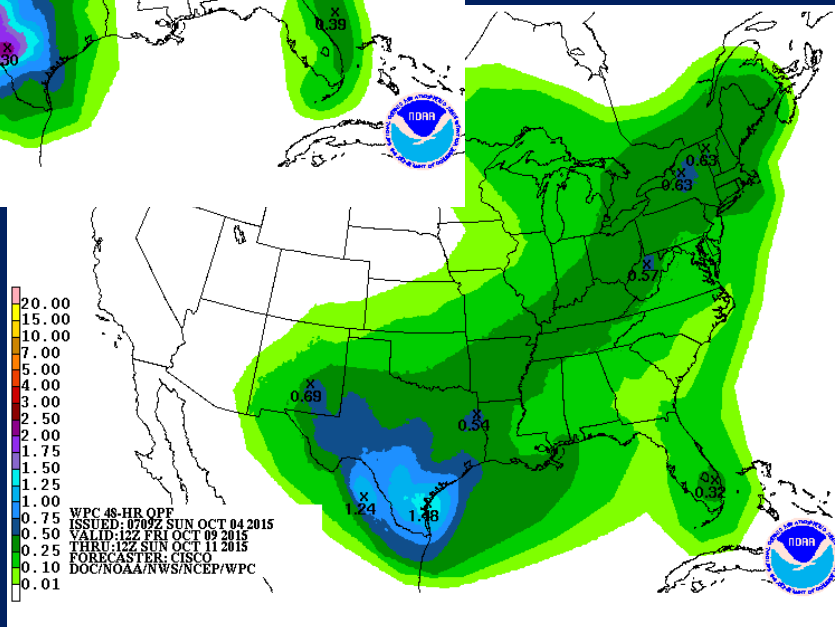
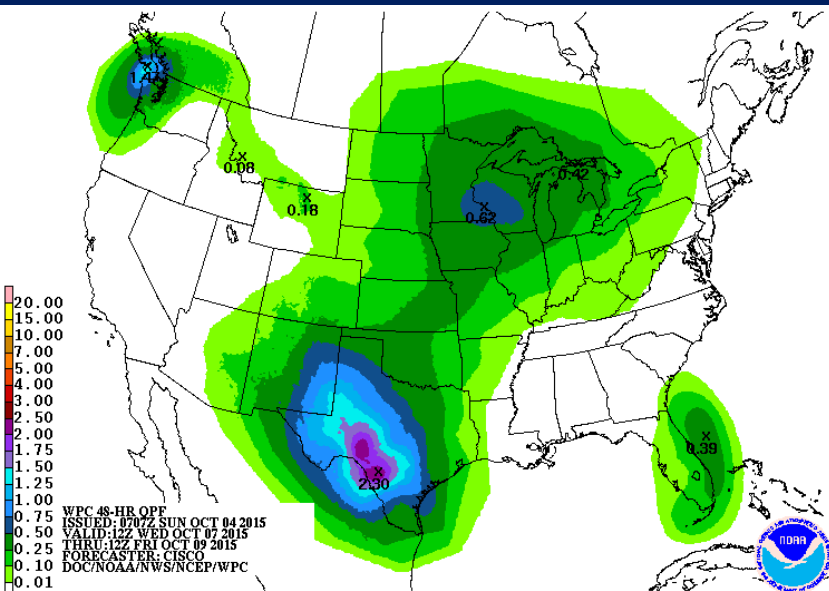


- These forecasts include past rainfall and a 48-hour rainfall forecast.
- 3 major, 11 moderate and 3 minor floods are forecast in South Carolina. Many of these forecasts are still based on heavy forecast rainfall and could change in the coming days.

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Days 3 Forecast Precipitation



- Day 2 rainfall should be the last to impact the Southeast. Day 3 should be quiet with respect to rainfall in the southeast.
- Here are the days 4-5 and 6-7 rainfall forecast. The forecast is for less than a quarter inch of rain with a quick moving cold front next weekend. This should give the southeast rivers some time to recover from this past weekends rainfall

Precipitation Forecast : 8AM 10/7– 8AM 10/11



SERFC Operational Status



- SERFC will continue on 24-hours operations until further notice. Please take advantage of the Briefing slides from today for further information.
- Our next message will be a Daily Operational Support Message and will be issued **Monday, October 5, 2015**
- Today's morning forecasts are available at:
<http://weather.gov/serfc>
- Please Contact us at sr-alr.rivers@noaa.gov if you have any questions.



Helpful Bookmarks



- Monitor the NWS weather radar
<http://www.srh.noaa.gov/serfc/?n=radar>
- SERFC Briefing page
<http://www.srh.noaa.gov/serfc/?n=quickbrief>
- NWS National Quantitative Precipitation Forecasts
<http://www.hpc.ncep.noaa.gov/qpf/qpf2.shtml>
- NWS Meteorological Model Ensemble probabilistic river forecasts (MMEFS)
<http://www.erh.noaa.gov/mmefs/>